

662260" B0540460

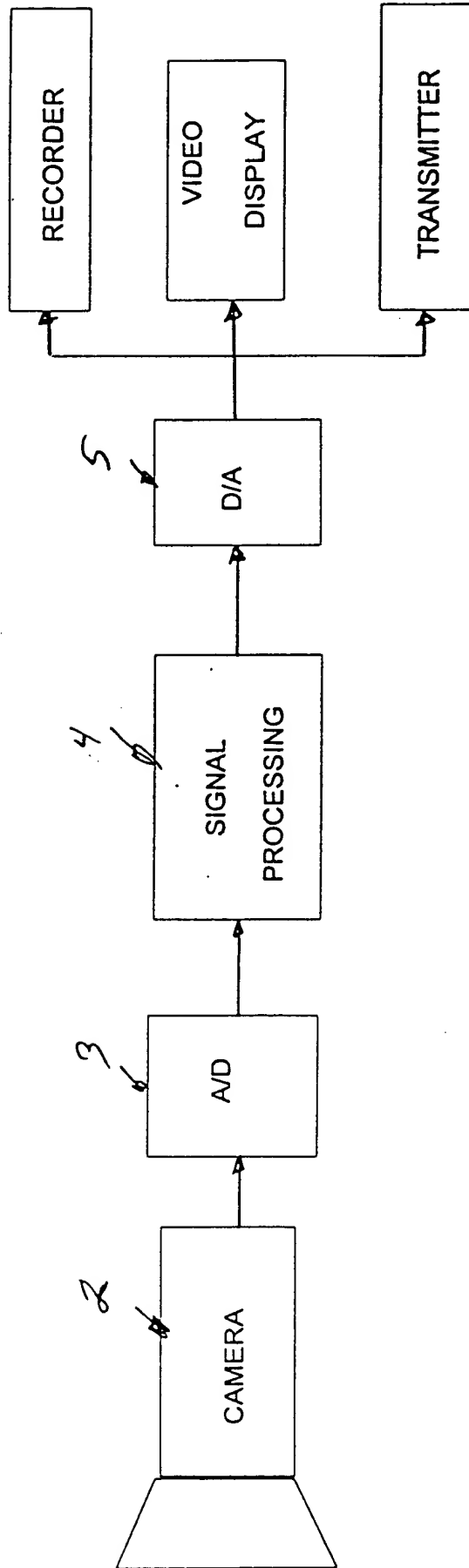


FIGURE 1

662260" 80540460

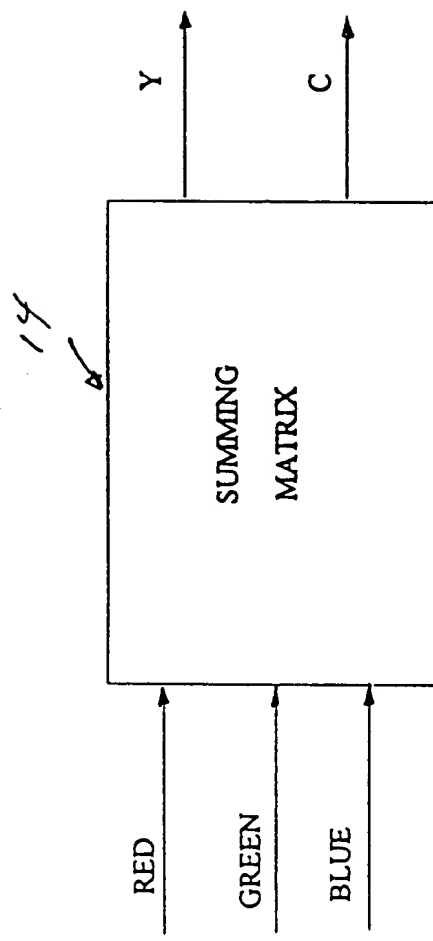
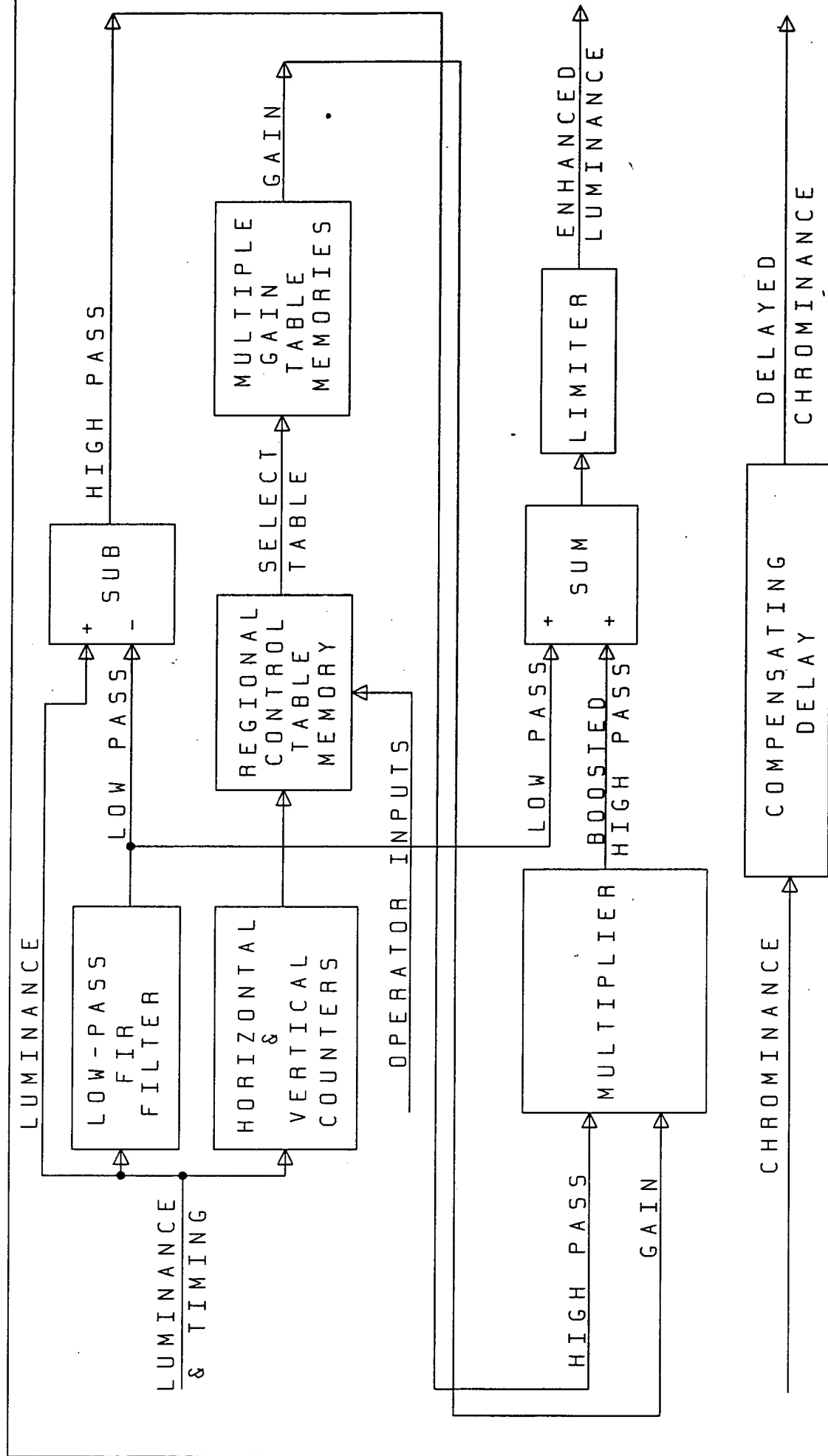



FIG. 2



FINITE LOCAL ENHANCEMENT BLOCK DIAGRAM FIGURE 3

## GAIN TABLE MEMORY EXAMPLES

(WHITE) 

0.0
0.0
0.0
0.0
0.0
0.0
0.0
0.0

LOW PASS  
VALUES

(BLACK)

GAIN TABLE 0  
ALL VALUES = 0

0.5
0.5
0.5
0.5
0.5
0.5
0.5
0.5

GAIN TABLE 1  
ALL VALUES = 0.5

1.0
1.0
1.0
1.0
1.0
1.0
1.0
1.0

GAIN TABLE 2  
ALL VALUES = 1.0

1.0
1.0
1.1
1.1
1.2
1.2
1.3
1.3

GAIN TABLE 3  
ENHANCEMENT  
LEVEL 1

FIGURE 4A

FIGURE 4B

FIGURE 4C

FIGURE 4D

# GAIN TABLE MEMORY EXAMPLES

(WHITE)

LOW PASS  
VALUES

1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7

(BLACK)

1.0
1.1
1.2
1.4
1.6
1.9
2.3
2.7

1.0
1.1
1.3
1.5
2.0
2.5
3.0
3.5

1.0
1.2
1.5
1.8
2.2
2.7
3.3
4.0

GAIN TABLE 4  
ENHANCEMENT  
LEVEL 2

GAIN TABLE 5  
ENHANCEMENT  
LEVEL 3

GAIN TABLE 6  
ENHANCEMENT  
LEVEL 4

GAIN TABLE 7  
ENHANCEMENT  
LEVEL 5

FIGURE 4E

FIGURE 4F

FIGURE 4G

FIGURE 4H

**00000000000000000000**

VERT

H O R I Z

FIGURE 5A

[illegible]

VERT

H O R I Z

FIGURE 5B

# REGIONAL CONTROL TABLE

## MEMORY EXAMPLE 3

0	0	0	0	0	0	0	0	0
0	1	1	1	1	1	1	1	0
0	1	2	2	2	2	2	1	0
0	1	2	7	7	7	2	1	0
0	1	2	7	7	7	2	1	0
0	1	2	7	7	7	2	1	0
0	1	2	2	2	2	2	1	0
0	1	1	1	1	1	1	1	0
0	0	0	0	0	0	0	0	0

VERT

SMALL ENHANCED  
REGION SURROUNDED  
BY GRADUATED  
SOFTENING REGIONS

HORIZ

FIGURE 5C



# REGIONAL CONTROL TABLE

## MEMORY EXAMPLE 4

0040450-00000000



VERT

7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2

SPLIT SCREEN  
LEFT SIDE ENHANCED  
RIGHT SIDE GAIN=1



HORIZ

FIGURE 5D

# REGIONAL CONTROL TABLE

## MEMORY EXAMPLE 5

662260" 30540460

↑  
VERT

7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7

FULL SCREEN ENHANCED

→  
HORIZ

FIGURE 5E